## **CLAIMS**

What is claimed is:

1. (Currently amended) An adhesive compound comprising: an adhesive base material;

a plurality of shape memory alloy (SMA) particles dispersed within said adhesive base material to improve an impact resistance of said adhesive base material; and said SMA particles being provided in an austenitic phase; and

wherein a stress induced phase change of said SMA particles is used to improve said impact strength.

- 2. (Previously presented) The adhesive compound of claim 1, wherein said SMA particles comprise nickel-titanium alloy particles.
  - 3. (Cancelled)
  - 4. (Cancelled)
- 5. (Previously presented) The adhesive compound of claim 2, wherein said nickel-titanium alloy particles comprise a shape in accordance with at least one of the group of shapes comprising: a sphere; an oval; a cylinder.

- 6. (Previously presented) The adhesive compound of claim 2, wherein said nickel-titanium alloy particles comprise granules randomly interspersed within said adhesive base material.
- 7. (Original) The adhesive compound of claim 1, wherein said SMA particles comprise about 1.0% by volume of said adhesive base material.
- 8. (Original) The adhesive compound of claim 1, wherein said SMA particles comprise between about 1.0% and about 50% by volume of said adhesive base material.
- 9. (Original) The adhesive compound of claim 1, wherein said adhesive base material comprises a film, and said adhesive compound comprises an adhesive film.
- 10. (Original) The adhesive compound of claim 1, wherein said adhesive base material comprises an adhesive paste.
- 11. (Original) The adhesive compound of claim 1, wherein said SMA particles comprise a diameter of between about 50 microns and about .005 microns.
- 12. (Original) The adhesive compound of claim 1, wherein a size of said SMA particles comprises at least about 50 microns.

- 13. (Original) The adhesive compound of claim 1, wherein a size of said SMA particles comprises no more than about 0.005 micron.
  - 14. (Currently Amended) An adhesive film comprising: an adhesive base film;

a plurality of shape memory alloy (SMA) particles randomly interspersed throughout said adhesive base film for providing compression-after-impact strength to said adhesive base film; and

said SMA particles being provided in their austenitic phase; and

wherein a stress induced phase change characteristic of said SMA materials is

used to provide said compression-after-impact strength.

- 15. (Previously presented) The adhesive film of claim 14, wherein said SMA particles comprise nickel-titanium alloy particles.
  - 16. (Cancelled).
  - 17. (Cancelled).
- 18. (Original) The adhesive film of claim 14, wherein said SMA particles comprise about 1.0% by volume of said adhesive base film.

- 19. (Original) The adhesive film of claim 14, wherein said SMA particles comprise between about 1.0% and about 50% by volume of said adhesive base film.
- 20. (Original) The adhesive film of claim 14, wherein said SMA particles comprise a shape in accordance with at least one of the group of shapes comprising: a sphere; an oval; and a cylinder.
- 21. (Original) The adhesive film of claim 14, wherein said SMA particles comprise a plurality of granules interspersed within said adhesive base film.
  - 22. (Currently Amended) An adhesive paste comprising: an adhesive compound having a consistency of a paste;

said SMA particles being provided in their austenitic phase; and

a plurality of SMA particles interspersed within said adhesive compound to provide compression-after-impact strength to said adhesive compound without negatively affecting an applicability of said compound to an external component; and

wherein a stress induced phase change property of said SMA particles is utilized to provide said compression-after-impact strength.

23. (Previously presented) The adhesive paste of claim 22, wherein said SMA particles comprise nickel-titanium alloy particles.

- 24. (Original) The adhesive paste of claim 22, wherein said SMA particles comprise a diameter of about 50 microns to about .005 microns.
  - 25. (Cancelled).
  - 26. (Cancelled).
- 27. (Original) The adhesive paste of claim 22, wherein said SMA particles comprise a shape of at least one of the group of shapes comprising: a sphere, a cylinder and an oval.
- 28. (Original) The adhesive paste of claim 22, wherein said SMA particles comprise at least about 1.0% by volume of said adhesive compound.
- 29. (Original) The adhesive paste of claim 22, wherein said SMA particles comprise between about 1.0% to about 50% by volume of said adhesive compound.